

GP/1646

PTO/SB/21 (08-00)

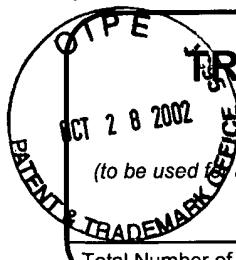
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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

7+refS

Application Number

09/928,213

Filing Date

August 10, 2001

First Named Inventor

SHANKARA, Srinivas

Group Art Unit

1646

Examiner Name

Unassigned

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## ENCLOSURES (check all that apply)

 Fee Transmittal Form Assignment Papers  
(for an Application) After Allowance Communication to Group Fee Attached Drawing(s) Appeal Communication to Board of Appeals and Interferences Amendment / Response Licensing-related Papers Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief) After Final Petition Proprietary Information Affidavits/declaration(s) Petition to Convert to a Provisional Application Status Letter Extension of Time Request Power of Attorney, Revocation Change of Correspondence Address Other Enclosure(s)  
(please identify below):  
**PTO Form 1449 (3 sheets);  
copies of fifteen (15) cited  
references; and Return Postcard** Express Abandonment Request Terminal Disclaimer Information Disclosure Statement Request for Refund Certified Copy of Priority Document(s) CD, Number of CD(s) \_\_\_\_\_

Remarks

 Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual nameElizabeth Lassen  
Genzyme Corporation  
15 Pleasant Street Connector  
P.O. Box 9322  
Framingham, Massachusetts 01701-9322

Signature

*Elizabeth Lassen*

Date

*October 22, 2002*

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

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Signature

*Taryn Antalek*

Date

10-22-2002

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

76

In re Application for:

Shankara et al.

Examiner: Unassigned

Serial No.: 09/928,213

Group Art Unit: 1646

Filing Date: August 10, 2001

For: **ANTIGENIC PEPTIDE CONCATOMERS**

Commissioner for Patents  
Washington, D.C. 20231

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## Certificate of First-Class Mailing (37 C.F.R. § 1.8(a))

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Dated: 10-22-02

Name of Person Certifying: Taryn Antalek

Printed Name: Taryn Antalek

## INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached Form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application.

### I. Timing of the Information Disclosure Statement:

This Information Disclosure Statement is filed:

- With the new patent application submitted herewith (37 C.F.R. § 1.97(a)).
- Within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 C.F.R. § 1.491.
- Before the mailing date of a first Office Action on the merits. In the event, however, that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is hereby authorized to charge Deposit Account No. 07-1074 for any fees required pursuant to 37 C.F.R. §§ 1.17(p) or 1.17(i)(1).

This Information Disclosure Statement is filed:

- After the first Office Action and more than three months after the application's filing date; or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever comes first, and the Commissioner is hereby authorized to charge Deposit Account No. 07-1074 for the fee (\$180.00) set forth in 37 C.F.R. § 1.17(p) and any additional required fees.

This Information Disclosure Statement is filed:

- After the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and is accompanied by the fee (\$180.00) set forth in 37 C.F.R. § 1.17(i)(1) and a certification as specified in 37 C.F.R. § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the Information Disclosure Statement.

The undersigned certifies that:

- Each item of information contained in the Information Disclosure Statement was first cited in any communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56 more than three months prior to the filing of this Information Disclosure Statement.

## **II. Copies of the Cited Items:**

- Copies of all of the items listed on the attached Form PTO-1449 are enclosed.
- Copies of only the following items listed on the attached Form PTO-1449 are enclosed: \_\_\_\_\_.
- Copies of those items which are marked with an asterisk (\*) in the attached Form PTO-1449 are not supplied because they were previously cited by or submitted to the Patent Office in a prior Application No. \_\_\_\_\_ filed \_\_\_\_\_ and relied upon in this application for an earlier filing date under 35 U.S.C. § 120. See 37 C.F.R. § 1.98(d).

- Copies of those items which are marked with an asterisk (\*\*) in the attached Form PTO-1449 were cited in a foreign examination report in a related case. A copy of the search report and the cited references not already of record in this application are attached hereto.

**III. Concise Explanation of Relevance:**

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described above; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO 1449 with initials or other appropriate marks.

The Commissioner is hereby authorized to charge Deposit Account No. **07-1074** for any additional fees required in connection with the filing of this Information Disclosure Statement.

Respectfully submitted,

DATE: October 22, 2002

By: Elizabeth Lassen  
Elizabeth Lassen  
Registration No. 31,845

Genzyme Corporation  
15 Pleasant Street Connector  
P.O. Box 9322  
Framingham, Massachusetts 01701-9322  
Telephone: (508) 270-2553  
Facsimile: (508) 872-5415

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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1 of 3

**Complete if Known**

Application Number	09/928,213
Filing Date	August 10, 2001
First Named Inventor	SHANKARA, Srinivas
Group Art Unit	1646
Examiner Name	Unassigned
Attorney Docket Number	GA0197C

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-5,770,428	06-23-98	Wisconsin Alumni Research Foundation	
	2	US-			
	3	US-			
	4	US-			
	5	US-			
	6	US-			
	7	US-			
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	20	US-			

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TECH CENTER 1600/2900**FOREIGN PATENT DOCUMENTS**

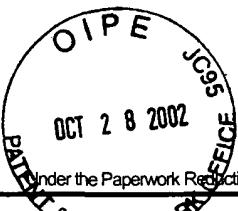
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	21	WO 97/34613	09-25-97	U of Virginia Patent Foundation		
	22	WO 98/43677	10-08-98	Institut Pasteur		
	23					
	24					
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	29					

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 09/928,213

Filing Date August 10, 2001

First Named Inventor SHANKARA, Srinivas

Group Art Unit 1646

Examiner Name Unassigned

Attorney Docket Number GA0197C

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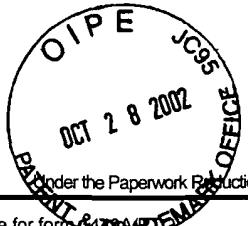
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	30	KANG, X. et al., "Induction of Melanoma Reactive T Cells by Stimulator Cells Expressing Melanoma Epitope-Major Histocompatibility Complex Class I Fusion Proteins", Cancer Research, January 1997, 57:202-205	
	31	KOZONO, H. et al., "Production of soluble MHC class II proteins with covalently bound single peptides", Nature, May 1994, 369:151-154	
	32	MOTTEZ, E. et al., "Cells Expressing a Major Histocompatibility Complex Class I Molecule with a Single Covalently Bound Peptide Are Highly Immunogenic", The Journal of Experimental Medicine, February 1995, 181:493-502	
	33	POSNETT, D.N. et al., "A Novel Method for Producing Anti-peptide Antibodies", The Journal of Biological Chemistry, February 1988, 263(4):1719-1725	
	34	SAKAI, C. et al., "Melanosomal proteins as melanoma-specific immune targets", Melanoma Research, 1997, 7:83-95	
	35	TAM, James P., "Synthetic peptide vaccine design: Synthesis and properties of a high-density multiple antigenic peptide system", The Proceeding of National Academy of Science, August 1988, 85:5409-5413	
	36	TSALI, V. et al., "Identification of Subdominant CTL Epitopes of the GP100 Melanoma-Associated Tumor Antigen by Primary In Vitro Immunization with Peptide-Pulsed Dendritic Cells", The Journal of Immunology, 1997, 158:1796-1802	
	37	ARONOV, S. et al., "Identification of 3'UTR Region Implicated in Tau mRNA Stabilization in Neuronal Cells", Journal of Molecular Neuroscience, 1999, 12:131-145	
	38	HOLCIK, M. and LIEBHABER, S.A., "Four highly stable eukaryotic mRNAs assemble 3' untranslated region RNA-protein complexes sharing cis and trans components", The Proceedings of the National Academy of Science, March 1997, 94:2410-2414	
	39	McGOWAN, K.M. et al., "Tumor Necrosis Factor-alpha Regulation of Glucose Transporter (GLUT1) mRNA Turnover", The Journal of Biological Chemistry, January 1997, 272(2):1331-1337	
	40	WANG, X. and LIEBHABER, S.A., "Complementary change in cis determinants and trans factors in the evolution of an mRNP stability complex", The EMBO Journal, 1996, 15(18):5040-5051	

Examiner Signature		Date Considered
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<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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<b><i>Complete if Known</i></b>	
ation Number	09/928,213
Date	August 10, 2001
lamed Inventor	SHANKARA, Srinivas
rt Unit	1646
er Name	Unassigned
ey Docket Number	GA0197C

#### **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Signature		Date Considered	
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